

# EUROPEAN PATENT OFFICE

## Patent Abstracts of Japan

PUBLICATION NUMBER : 2004057016

PUBLICATION DATE : 26-02-04

APPLICATION DATE : 25-07-02

APPLICATION NUMBER : 2002215913

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INT.CL. : A01G 13/00 C08J 5/18 C08K 3/00 C08K 5/10 C08L 67/02 C08L 67/04 //  
C08L101/16

TITLE : BIODEGRADABLE MULCH FOR AGRICULTURE

ABSTRACT : PROBLEM TO BE SOLVED: To provide biodegradable mulch for agriculture having biodegradability, excellent flexibility, impact resistance and film-forming properties, suppressing bleedout of a plasticizer, and standing long-term use.

SOLUTION: The biodegradable mulch for agriculture comprises a film having a polylactic acid, a biodegradable aliphatic-aromatic copolyester having  $\leq 0^{\circ}\text{C}$  glass transition temperature, an oxyacid ester plasticizer and an inorganic filler as constituent. The formulation ratio of the polylactic acid and the biodegradable aliphatic-aromatic copolyester is 80/20-30/70 (mass%).

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